

Analytical Data Sheet

Lot number

1045450

not for drug use

Catalog Number	L-1595.0050
Product number	4016006.0050
Product	Suc- Ala- His- Pro- Phe- pNA
Molecular formula	C ₃₃ H ₃₈ N ₈ O ₉
Relative molecular mass	690.71

Tests	Results
Appearance	beige powder
Appearance of solution	clear, yellowish solution (50 mg/ml in water)
Identification (ESI-MS)	m = 690.3Da (monoisotopic)
Amino acid analysis	Pro 0.93 (1) Phe 0.99 (1) Ala 1.0 (1) His 0.99 (1)
Purity (HPLC)	98.7% (TFA) 98.6% (TEAP) 98.2% (NaClO ₄)
Related impurities (HPLC)	< 0.1% chromophor
Purity (TLC)	> 97%
TLC conditions	chloroform/methanol/acetic acid(98-100%)/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	88.5% (Nfd 14.35 %)
Water content (KF volumetric)	1.7%
Residual organic solvents (GC)	0.7% dimethylformamide 0.8% n-Butanol 3.1% ethylacetate
General comment	product supplied as a hydrochloride salt

Latest update: November 15, 2012

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